



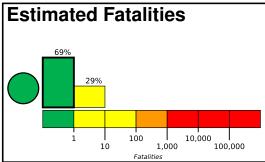


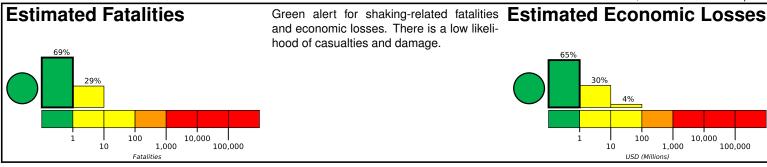
PAGER Version 4

100,000

Created: 2 hours, 5 minutes after earthquake

M 4.5, 19 km ENE of Primrose, Alaska Origin Time: 2022-07-12 02:58:58 UTC (Mon 18:58:58 local) Location: 60.4076° N 149.0434° W Depth: 33.3 km





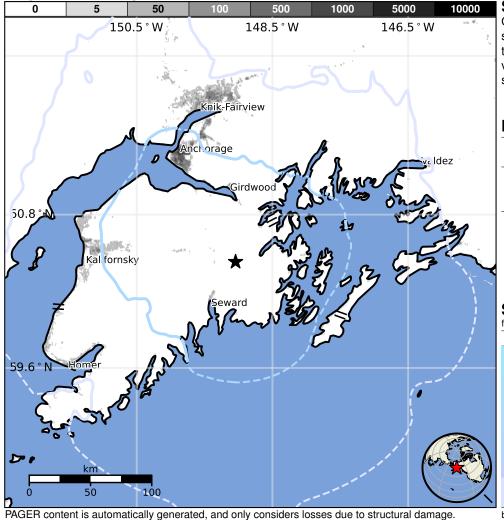
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		5k*	466k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/ak0228v89eiv#pager

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
2002-11-03	354	7.9	V(36k)	0
1964-03-28	102	9.2	VIII(24k)	_
1964-03-28	102	9.2	VIII(24k)	0

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

	MMI	City	Population
ĺ	III	Girdwood	2k
	Ш	Bear Creek	2k
	Ш	Anchorage	292k
	Ш	Elmendorf Air Force Base	7k
	Ш	Sterling	6k
	Ш	Seward	3k
	II	Eagle River	25k
	II	Kalifornsky	8k
	II	Knik-Fairview	15k
	II	Lakes	8k
	II	Tanaina	8k

bold cities appear on map.

(k = x1000)